

Hum:	1	MATAGCGSGADPGSRGLRLLSFCVLLAGLCRGNSVERKIYIPINKTAPCVRLNATHQI	60
Mou			
Dros:	1	MAT GGS G DPGSRGL LLSF V+LAGLC GNSVERKIYIPINKTAPCVRLNATHQI	
C.eleg			
	L	A + +G K+Y P+ A C R LN THQ	
		+++AG+C G S + + + + C R N TH+	
Hum:	61	GCQSSISGDTGVIVHVEKEEDLQWVLTGDPNPVWLLSKHFTRDLMEXLKGRTSRIAG	120
Mou			
Dros		GC S+ SG GV+H++ E DL+++L+ P+PPY ++ FTR+ + +LK +	
C.eleg		GCQ++ + G+I ++K+ED + W + Y LL RD + +LK + ++G	
Hum:	121	LAVSLTKPSPASGFSVQCPNDGFGVYNSYGPPEFAHCREIQWNSLGNGLAYEDFSFPI	180
Mou		LAV+L KP+ S FSPSVQCPNDGFG YSNSYGPPEFAH ++ WN LG GLAYED SFPI	
Dros		+ + + + + FS + CPN G+ S S + ++ + WN G GL +EDF FPI	
C.eleg		+ +S + + + S +CPN Y E+ E + NS G+GL D+ +	
Hum:	181	FLEDEDNETKVIKQCYQDHNLSQNGSAPTFPLCAMQLFSHMAVISTATCMRRSSIQSTF	240
Mou			
Dros :		FLEDE+ETKVIKQCYQDHNLSQNGSAP+PPLCAMQLFSHMAVISTATCMRRS IQSTF	
C.eleg		+ + D ++ ++C+QD N + LCA+++ S M A ++T CMRR++ +	
		+++ + ++I++CY N + + +P C M A ++ C RR + F	
Hum:	241	SINPEIVCDPLSDYNVWWSMLKPIINTGTCLKPDDRVVVAATRLDSRSFF-WNVAPGAEsav	299
Mous			
Dros		SINPEIVCDPLSDYNVWWSMLKPIINT+ L+PD RVVVAATRLDSRSFF WNVAPG E sav	
C.eleg		++ CDPL NV P +T T+ +++ ++ RLD+ + F V GA ++	
		+N + +C + N+++ PI T+ T+ + ++ R+DS ++ G S +	
Hum:	300	ASFVTQLAAAEALQKAPDVTTLPNNVMFVFQGETFDYIGSSRMVYDMCKGKFPVQLENV	359
Mou			
Dros		ASFVTQLAAAEAL KAPDVTTLP.NNVMFVFQGETFDYIGSSRMVYDMCKGKFPV+LEN+	
C.eleg		F A LQ P + NV+FV F GE++DYIGS R VYDMCK +FP+ +N+	
		S ++ LAAA ++/OKA + + RN V F F F GE+ DYIGS Y ME GKFP++ +	

Figure 1A

```

Hum: 360 DSFVELGQVALRTSLELMHTDPVSQKNESVRNÖVEDLLATLEKSGAGVAVILRRPNÖS 419
Mou DSFVELGQVALRTSL+LMHTDP+SQKNESV+NÖVEDLLATLEKSGAGV V+LRR QS
Dros D +++G + ++++L + ++ Q++ L KS G I + S
C.eleg D +E+ Q+ + + +H D ++ + + Q + ++ +E+ G A L +P+ S

Hum 420 QP+PPSSLQRFRLRARNISGVVLADHSGAFHNKYQSIYDTAENINVSYPEWLSPEEDLNF 479
Mou Q PPSLQRFRLRARNISGVVLADHSG+FHN+YYQSIYDTAENIN+YPEW S EEDLNF
Dros LPP+S Q FLR N + ++L + NKY S YD A+N++ +Y L
C.eleg +PP+S F +A ++ V+LA + + S I D EW E +

Hum 480 VTDPAKALADVATVGLRALYELAGCTNPSDVTQADPQTVTRLLYGLIKANNSWFQSI LR 539
Mous VTDPAKALA+VATV L RALYELAGCTNPS ++QADPQTVTRLLYGLI++ANNSWFQSI L+
Dros V D DV+++++ ALY+ G ++ T A+P LY FL A+ F++
C.eleg + + V+T + A + G + D ÷ +T ++ LI +N WF

Hum : 540 QDIRSYLGDGPIQHTYIAVSSPTNTTYVVQYALANLITGTWVNLTRQÖQÖDPSKVPSENKDL 599
Mous DLRSYL D PIQHTYIAVSSPTNTTYVVQYAL NLTG NLTRQÖQÖDPSKVP+E+KDL
Dros S L + P YI+V + + Y L L+ ++ R+ C D
C.eleg Q L SY G YI++ SPT ++ +AL + T+ + + C + + +

Hum: 600 YEYSWVQGP LHSNETDR LPRCVRSTARLARALSPAFELSQWSSTEYSTWTESRWKDIRAR 659
Mous YEYSWVQGP +SN T+RLP+CVRST RLARALSPAFELSQWSSTEYSTW ESRWKDI+AR
Dros PLH + + C +T + ALSPAF + WSS YSTWTES W AR
C.eleg Y Y+W P N + C++S +SPA + + +T YSTW ES +

Hum: 660 IFLASKELLETITLVGFGILIFSLIVTYCINAKADVLFIAPREPGAVSY 709
Mous IFLASKELE ITL VGF L+PSLIVTYCINAKADVLFIAPREPGAVSY
Dros IFL S ++ 'YL+VG +LI S + Y I+++++VLF
C.eleg ++L+ E + + +I +L+ + + ++ FI EP A

```

## Figure 1B